Economical Solution for Integrated Fiber Preparation Tool Demand.

Core Alignment Fusion Splicer

Single Optical Fiber Fusion Splicer

PCT/KR2008/003533

Swift-S3

Features

- Core Alignment by IPAS Technology
- Resistance to the Environment with Shock, Rain and Dust
- Powerful Battery with Large Capacity
- Dual Sleeve Heater
- Automatic Execution of Discharge Calibration
- Smallest, Lightest & Fastest
- 4.3″ Color LCD Monitor with Touch Panel
- Bidirectional Operation System
- Attached Sleeve Loader
- Attached Night Light
- ROHS Compliant

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HIGH PRECISION TECHNOLOGY

Benefits and Features

Swift-S3

IPAS Technology basis Core Alignment

Swift-S3 is the core alignment splicer based on IPAS (Image Pattern Analysis Alignment System) Technology

Smallest, Lightest and Fastest

This splicer is the smallest, lightest and fastest among all the existing core alignment splicers

Dimension : 138(W) × 160(L) × 135(H)
Weight : 2.3kg
Splicing Time : 9 seconds,
Tube heat : 26 seconds

} Battery and shock proof rubbers are included

Resistance to the Environment with Dust, Shock and Rain

The splicer with high reliability has stable performance even in a harsh environment

Powerful Lithium Polymer Battery with Large Capacity

Performs 250 cycles of fusion splicing and sleeve heating with the standard battery

Automatic Execution of Discharge Calibration

Detects the surrounding environment of temperature, humidity, air pressure and others by itself and measures discharge calibration rate automatically

Swift-S3

Benefits and Features

4.3-inch Color LCD Monitor with Touch Pannel

Magnification : 300X, 170X
For user's convenience, LCD monitor has been designed with touch panel in addition to the operation switch

Bidirectional Operation System

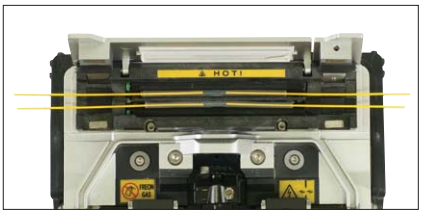
For user's ergonomic preference, the screen can be turned around for one's chosen viewing direction as the monitor can be flipped upward and downward

Equipped with Sleeve Loader to Prevent Contamination and Provide Convenience

While working in a man hole, the loader prevents the supplementary sleeve from falling and being contaminated with a flowing water.
Working in aerial space such as telephone pole, the loader also prevents the supplementary sleeve from falling down.

Built-in Dual Sleeve Heaters

By using the dual sleeve heaters, a user can continuously without interruption and improves one' s productivity by 20%



STANDARD PACKAGE & OPTIONAL

Cleaver Options

SPECIFICATIONS

Subject	Description
Alignment	IPAS Core to Core Alignment (Image Pattern Analysis Alignment System)
Applicable fibers	SMF(ITU-T G.652), MMF(ITU-T G.651), DSF(ITU-T G.653), NZDSF(ITU-T G.655), EDFA, EI980, Splicing available with different type fiber(SM/MM), ITU-T G.657
Fiber Diameter	cladding : 80㎛ ~ 150㎛, coating : 100㎛ ~ 1000㎛ (single)
Fiber cleave length	250㎛ (Coat) : 8 ~ 16mm, 900㎛ : 16mm
Typical splice loss	SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB
Return loss	Less then -60dB
SPLICE Time	SPLICE : Typical 9sec, Tube Heat : Typical 26sec with S-160(60mm) Tube
Program	SPLICE Mode : 100, Heat Mode : 50
Storage of splice result	the last 2,000 results (Image 100 results)
Operating altitude	0 ~ 5000m above sea level
Operating condition	-10℃ to 50℃, humidity : 95%, non-Condensing
Storage condition	-40℃ to 80℃, 0 to 95% RH
Protection	Wind 15㎧, shock proof, water proof, dust proof
SIZE, Weight	138W ×160L ×135H (include Monitor & Rubber), 2.3Kg (include Battery)
Terminal	USB, RCA, External Power
Power	DC 14.8V Battery (5600mAh), 100 ~ 240V AC Adapter
Additional power	DC 12V automobile power outlet available
No of splice/Heating with Battery	250cycle, lithium polymer batteries
Electrode	more than 2,000 times splicing without exchange
Mechanical proof test	2N / 4.4N (OPTION)
Display	Two CMOS cameras and 4.3″ color LCD monitor, with touch panel
Fiber view and magnification	X/Y 300X, 170X

STANDARD PACKAGE

Description	Model	Q'ty
Arc Fusion Splicer	S3	1
AC Adapter	S311	1
Sleeve Loader	S312	2
Spare Electrodes	EI-21	1
Battery Pack	S313	1
Alcohol dispenser		1
Carrying Case		1
User Manual		1

OPTION

Description	Model
Battery Pack	S313
Fiber Cleaver	CI-01, CI-02, CI-03, CI-03B
Heating Stripper	Auto Stripper(ATS)
Fiber Solution	Multipack(MP-S)
Protection Sleeves	S-160(60mm), S-140(40mm)
Cleaver Blade	BI-05

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